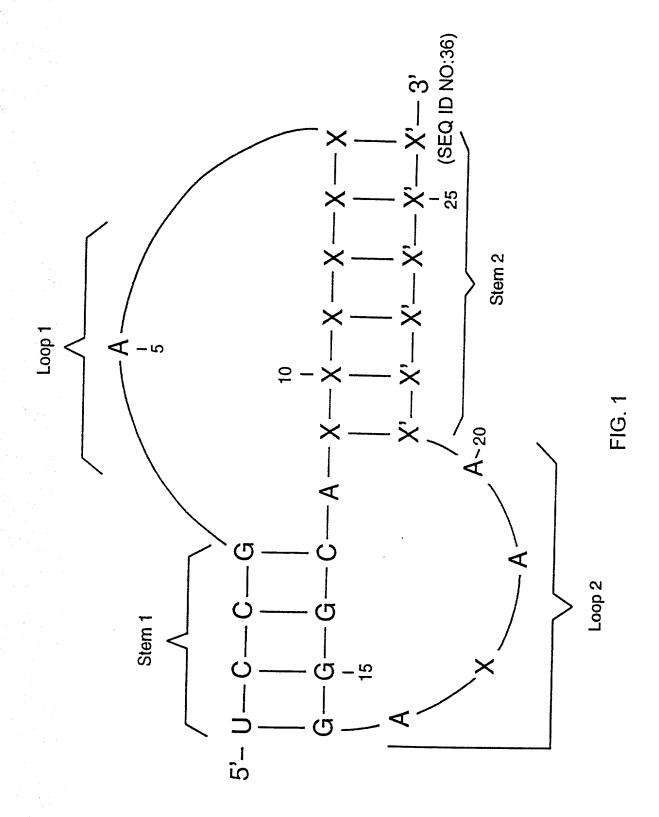
Attorney Docket No. NEX 05/DC-CON2 Sheet 1/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al Express Mail Label No. EV 019561696 US



Attorney Docket No. NEX 05/DC-CON2 Sheet 2/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al. Express Mail Label No. EV 019561696 US

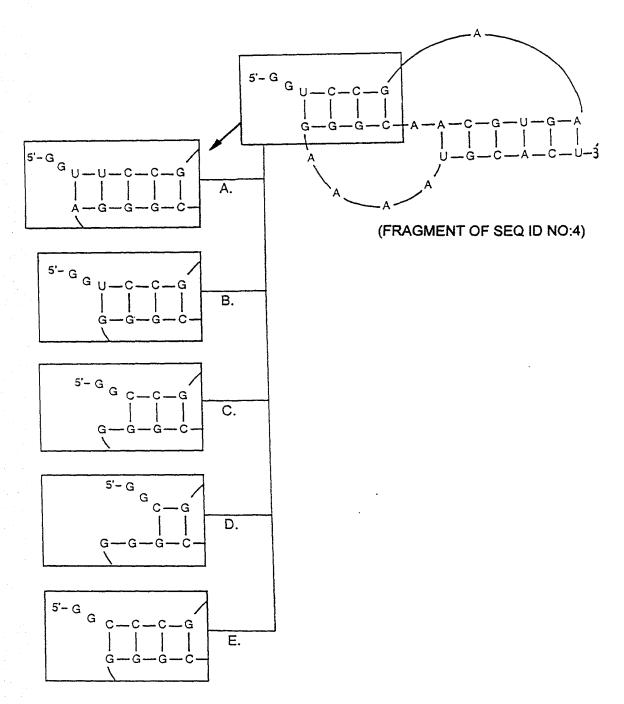
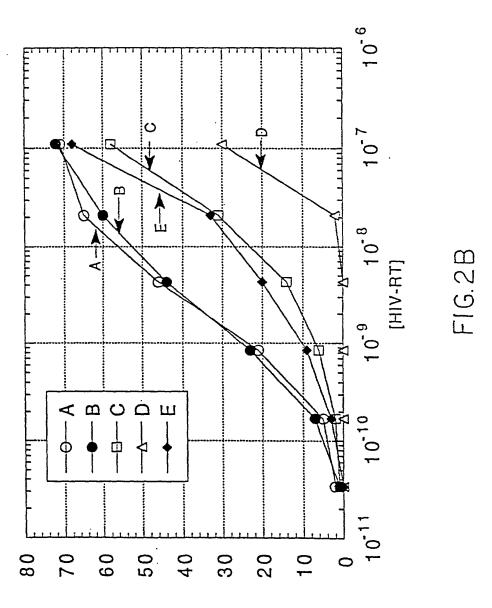


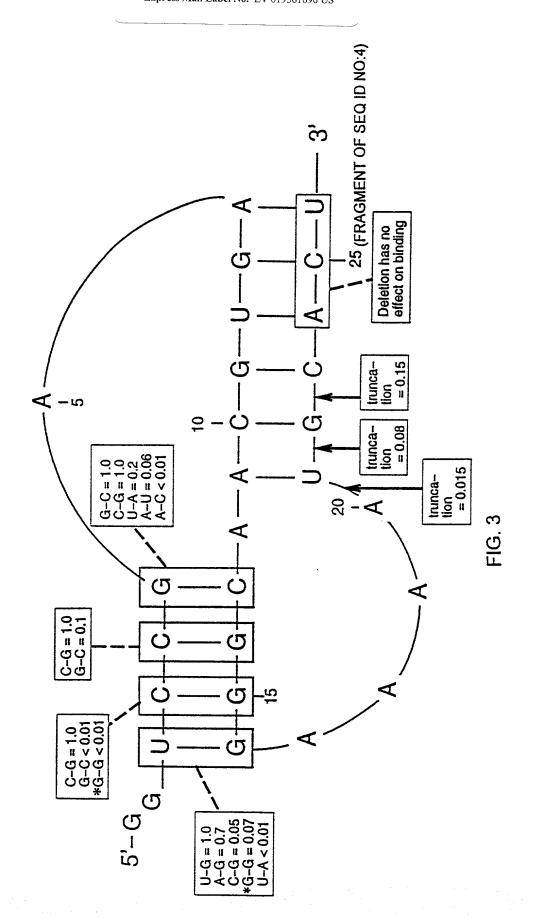
FIG. 2A

Attorney Docket No. NEX 05/DC-CON2 Sheet 3/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al. Express Mail Label No. EV 019561696 US

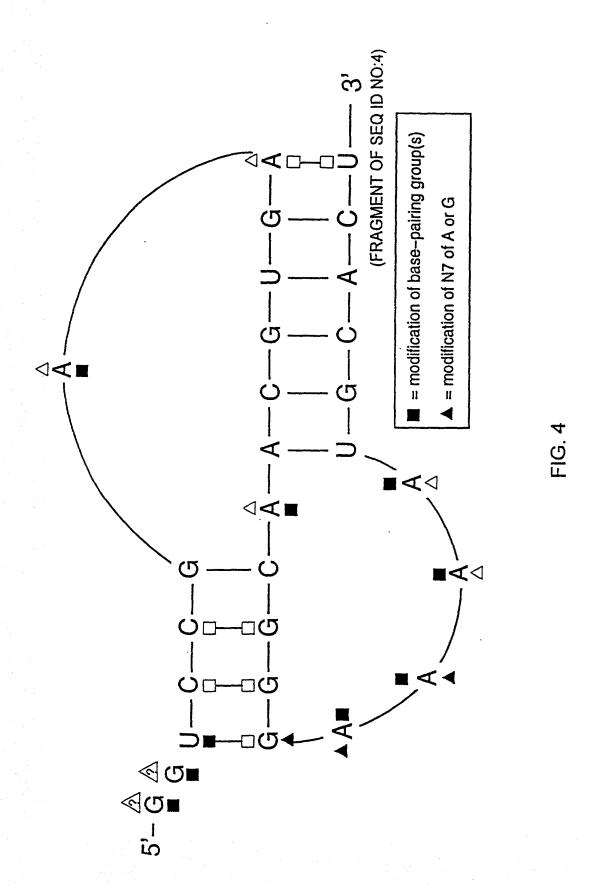


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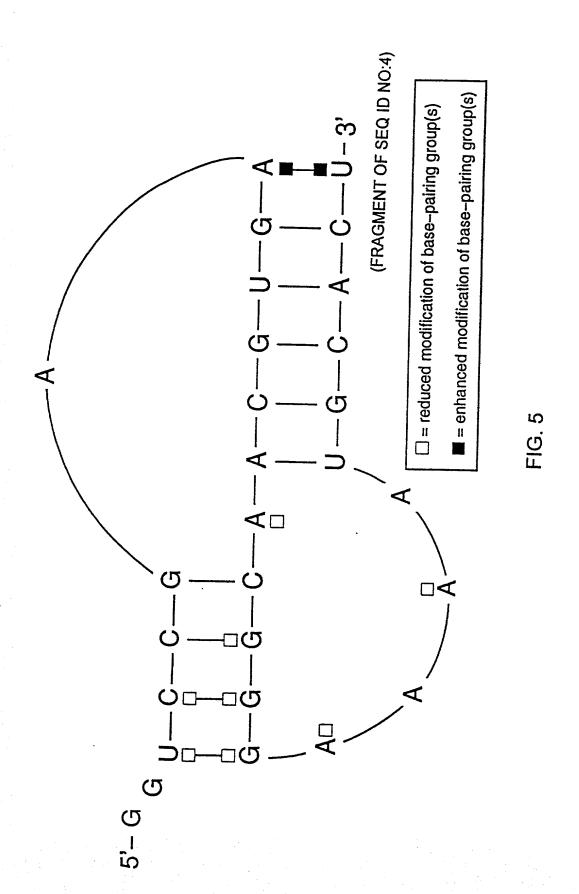
Attorney Docket No. NEX 05/DC-CON2 Sheet 4/32
Title: METHODS OF PRODUCING
NUCLEIC ACID LIGANDS
Inventor: Gold et al.
Express Mail Label No. EV 019561696 US



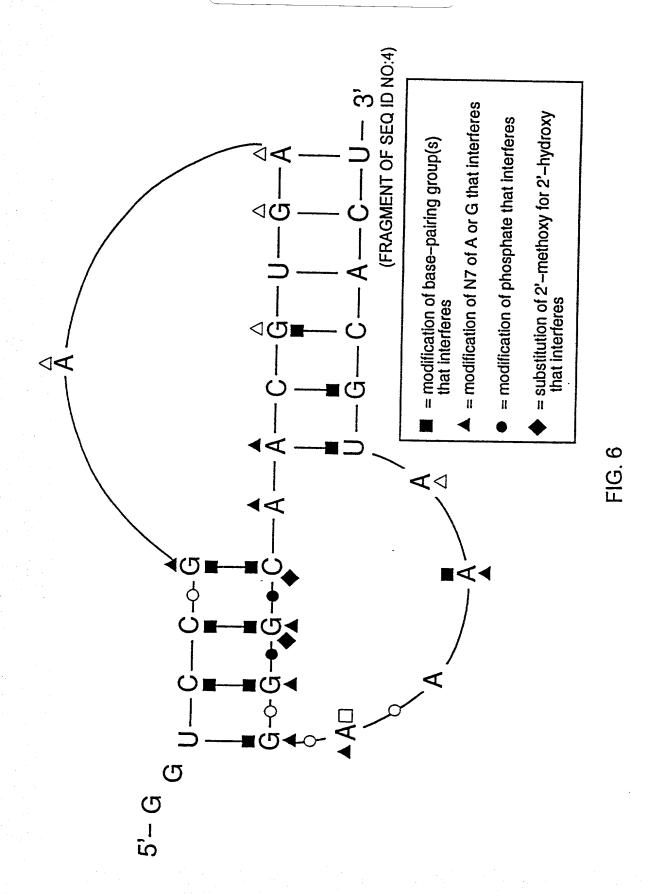
Attorney Docket No. NEX 05/DC-CON2 Sheet 5/32
Title: METHODS OF PRODUCING
NUCLEIC ACID LIGANDS
Inventor: Gold et al.
Express Mail Label No. EV 019561696 US



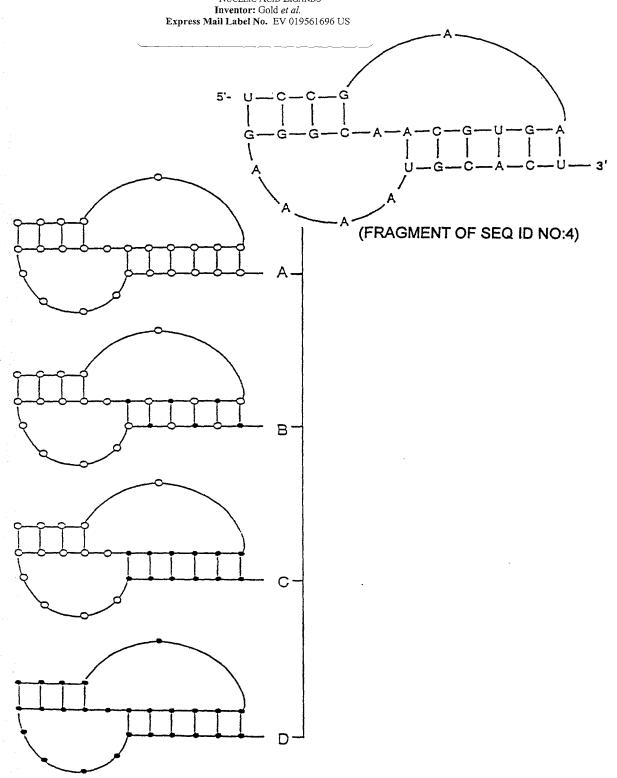
Attorney Docket No. NEX 05/DC-CON2 Sheet 6/32
Title: METHODS OF PRODUCING
NUCLEIC ACID LIGANDS
Inventor: Gold et al.
Express Mail Label No. EV 019561696 US



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NUCLEIC ACID LIGANDS



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NUCLEIC ACID LIGANDS
Inventor: Gold et al.
Express Mail Label No. EV 019561696 US

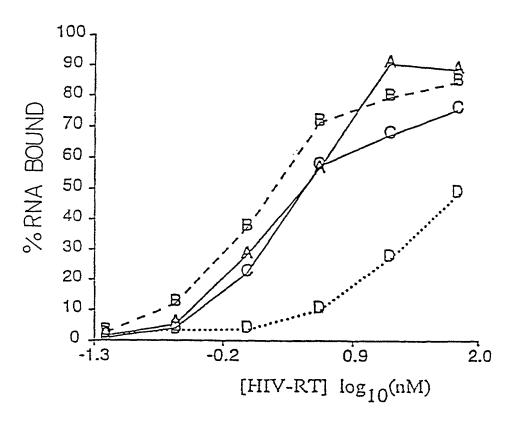
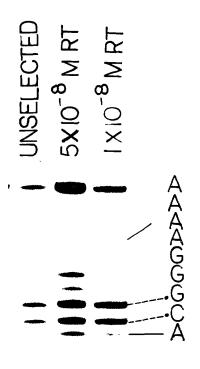


FIG.7B

Attorney Docket No. NEX 05/DC-CON2 Sheet 10/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al. Express Mail Label No. EV 019561696 US



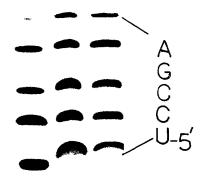
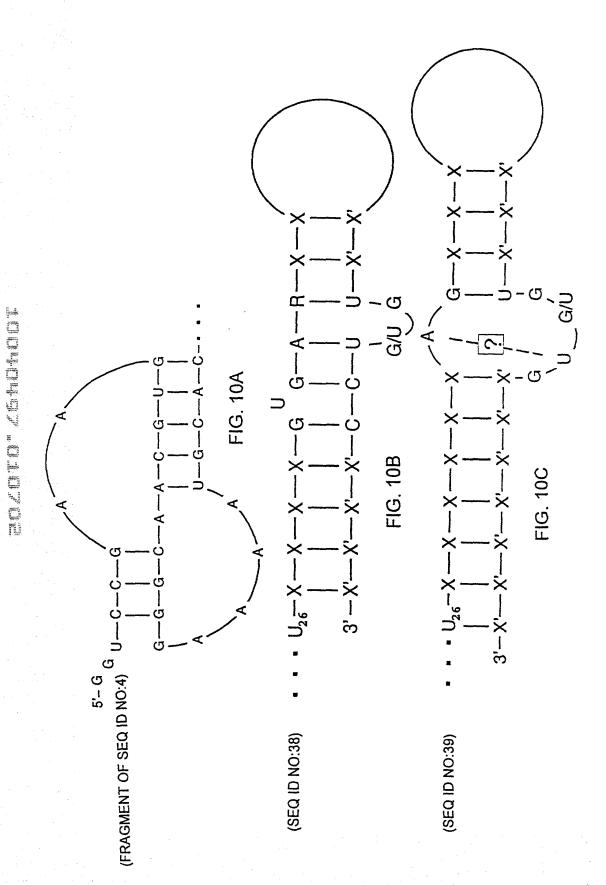


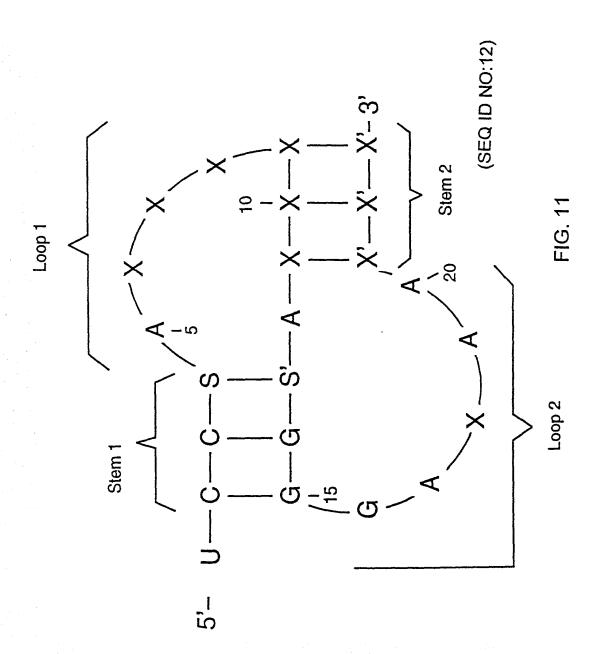
FIG.8

Attorney Docket No. NEX 05/DC-CON2 Sheet 11/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al Express Mail Label No. EV 019561696 US

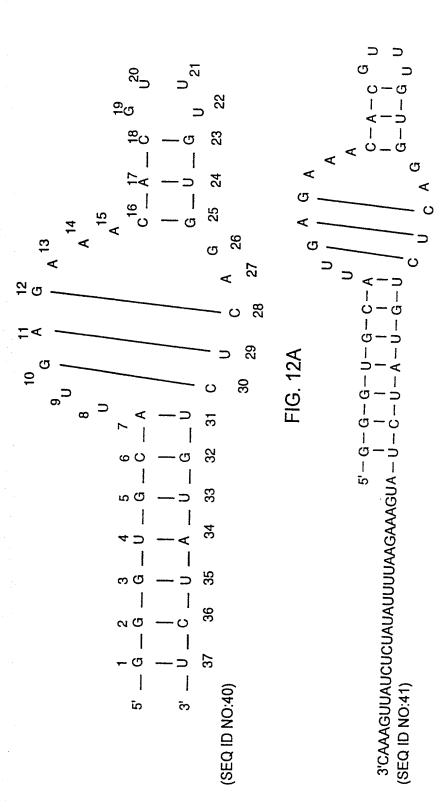
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NUCLEIC ACID LIGANDS
Inventor: Gold et al.
Express Mail Label No. EV 019561696 US



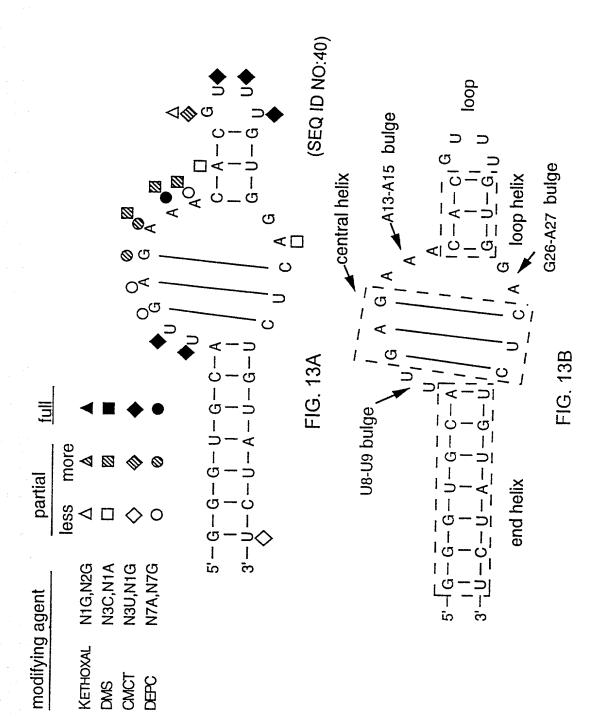
Attorney Docket No. NEX 05/DC-CON2 Sheet 14/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al. Express Mail Label No. EV 019561696 US



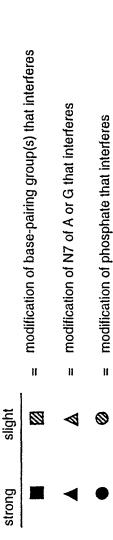
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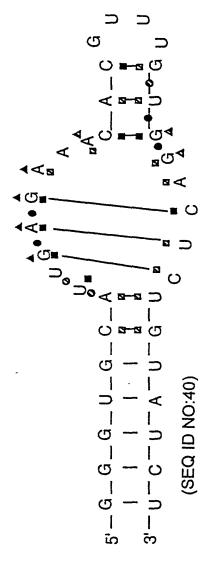
FIG. 12C

Attorney Docket No. NEX 05/DC-CON2 Sheet 15/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al Express Mail Label No. EV 019561696 US



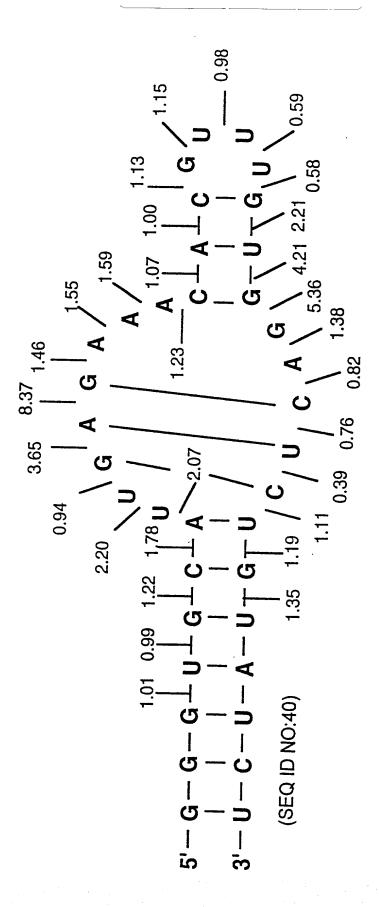
Attorney Docket No. NEX 05/DC-CON2 Sheet 16/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al. Express Mail Label No. EV 019561696 US



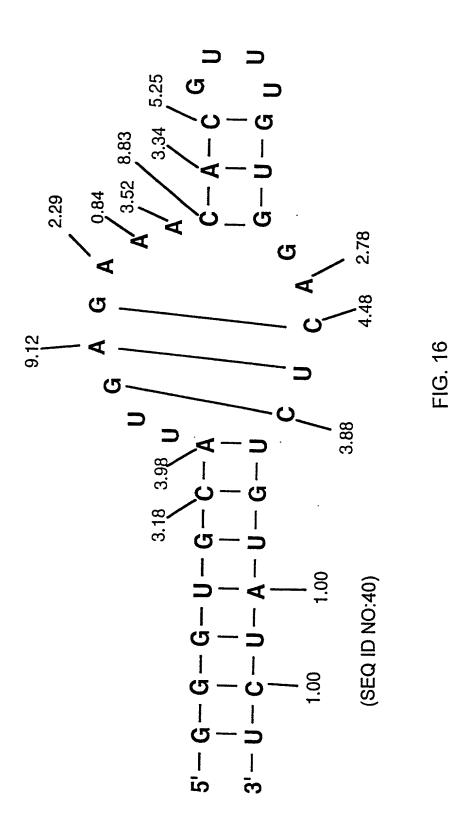


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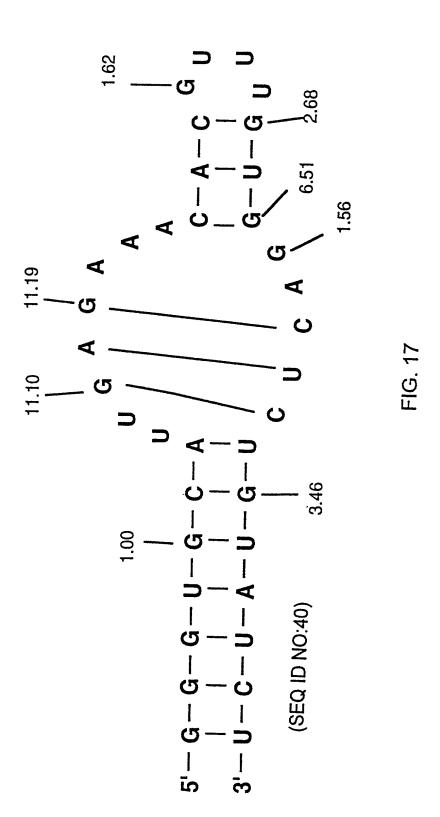
Attorney Docket No. NEX 05/DC-CON2 Sheet 17/32
Title: METHODS OF PRODUCING
NUCLEIC ACID LIGANDS
Inventor: Gold et al.
Express Mail Label No. EV 019561696 US



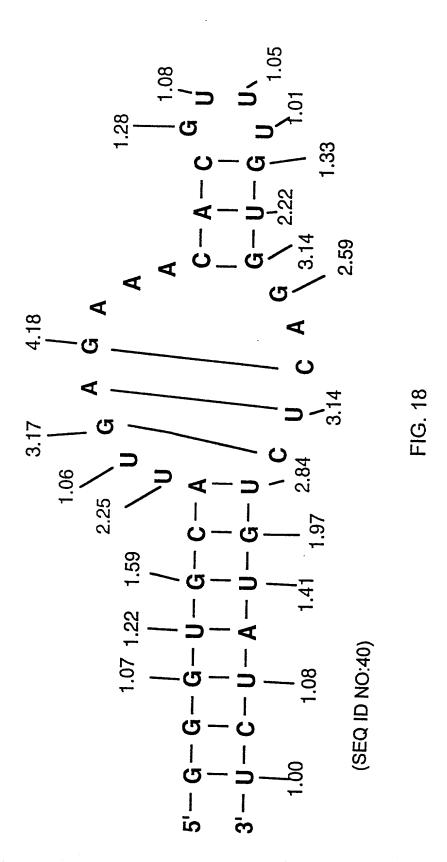
Attorney Docket No. NEX 05/DC-CON2 Sheet 18/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al. Express Mail Label No. EV 019561696 US

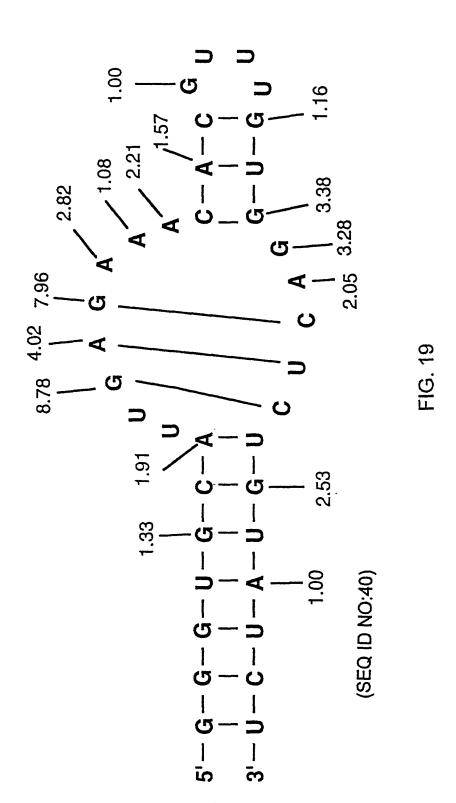


Attorney Docket No. NEX 05/DC-CON2 Sheet 19/32
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NUCLEIC ACID LIGANDS
Inventor: Gold et al.
Express Mail Label No. EV 019561696 US



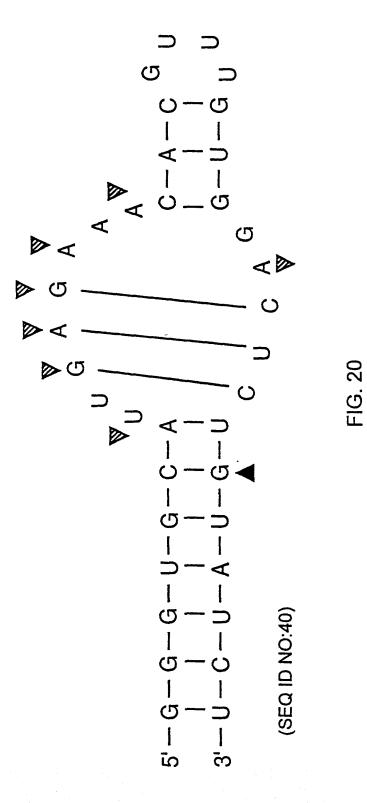
Attorney Docket No. NEX 05/DC-CON2 Sheet 20/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al. Express Mail Label No. EV 019561696 US





Attorney Docket No. NEX 05/DC-CON2 Sheet 22/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al. Express Mail Label No. EV 019561696 US

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Attorney Docket No. NEX 05/DC-CON2 Sheet 23/32 Title: METHODS OF PRODUCING NUCLEIC ACID LIGANDS Inventor: Gold et al Express Mail Label No. EV 019561696 US

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	<u>GUAUGCA</u> UUGAGAGU <u>CACA</u> C-U <u>UGUG</u> GACUC <u>UGCAU</u> C <u>C</u>	46
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	CGCUAVGUUGAGAAACACUU-UGCUGGACUCCGUAGCU	54
	UAC<u>UGCA</u>UCGAGAAA<u>CA</u>CGU-AA<u>GUG</u>-ACUC<u>UGCA</u>UCC	55
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63	<u>GAGUGGC</u> UCGAGAAA <u>CAG</u> GU-UG <u>CUG</u> GACUC <u>GCCAC</u> A <u>U</u>	27
62	AGCUACGUUGAGAUACACGUUAGGO-CUCCGUAGCC	25
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58	GGAGACGUCGAGAAACACGU-UUGUGGACUCGGUCUCU	18
57	AACUCCAUCGAGAAACACGA-UAGUGGACUCUGGAGCU	17

FIG. 21-B

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42	UCGUACQUUGAGAAACACGC-UAGUGGACUCCGUAUQU	75
43	AGAUACGUUGAGAGACACGC-ACGUGGACUCCGUAUCU	92
44	<u>AGGAUCACAGAGAAACACC</u> GUGGG <u>UG</u> G-CUC <u>CCU</u> CUAU	77
45	<u>GUGCGCA</u> UCGAGAAA <u>CA</u> CGU-UGA <u>UG</u> GACUC <u>UGC</u> AU <u>GCAC</u>	78
47	G <u>AGAGG</u> AUCGAGAAACACGU-A <u>UGUG</u> GACUC <u>UCC</u> A <u>UCU</u>	79
48	G <u>GAUGGA</u> UUGAGACA <u>CACGU-AUGUG</u> GACUC <u>UCCAUC</u> A	80
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FIG. 21-C

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FIG. 22C-1

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FTG. 22C-2

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G19/U22	6	2	1	3	-	6	0	-	0	14
C18/G23	19	0	2	3	19	-	0	0	6	4
A17/U24	38	38	0	0	0	0	0	0	0	0
C16/G25 A17/U24 C18/G23 G19/U22	38	0	0	0	38	0	0	0	0	0
A7/U31	16	16	0	18	-		0	2	0	0
C6/G32	28	0	0	9	28	0	1	0	0	3
U4/A34 G5/U33 C6/G32 A7/U31	2	10	2	18	1	2	0	-	0	2
U4/A34	28	0	28	2	0	0	0	2	0	8
G3/U35	8	9	0	7	8	8	0	0	2	7
G1/U37 G2/C36 G3/U3	16	0	-	16	2	-	-	က	₩.	13
G1/U37	2	9	2	5	-	-	4	3	-	16
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FIG.23A

ба	G1/U37	G1/U37 G2/C36 G3/U35	G3/U35	U4/A34 G5/U33	G5/U33	C6/G32	A7/U31	C16/G25	A17/U24 C18/G23		G19/U22
M	30.	.42	.21	.74	.05	.74	.42	1.00	1.00	.50	.24
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other	.42	.34	.18	.21	.05	80°	00.	00.	00.	11.	.37

FTG. 23B

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G19/U22	15					-,15			02	
C18/G23 G19/U22	.11	02	.04	90.	.11	.01	08	02	.16	15
A17/U24	.61	.61	02	02	02	08	02	08	02	25
C16/G25	.61	02	02	02	.61	02	08	02	08	25
A7/U31		.03	02	.46	.01	05	02	03	02	25
C6/G32 A7/U31	.35	02	02			02	05		08	17
U4/A34 G5/U33	34		.04		.01		02		02	20
U4/A34	.35					02			08	
G3/U35	-,18	80.	02	.11	.19	18	02	02	.04	70
G2/C36	.03	02	.01	.03	.04	05	.01	00.	.01	60.
G1/U37	34	90.	.04	.05	.01	34	60.	90`	.01 .01	.17
6a	WT	AU	1	1		ਰ		AC		other

FIG. 23C

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